Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/08/2018 10:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124794	-1	1.55	124639	1.52
Blue	F	SSC	125000	123446	-2	3.16	123990	2.81
Blue	E	FITC	23158	22347	-4	2.63	1036	10.94
Blue	D	PE	31171	30139	-4	2.22	1143	10.29
Blue	B	PerCP-Cy5-5	59762	58447	-3	3.98	1477	18.34
Blue	A	PE-Cy7	57533	56758	-2	6.45	737	39.84
Red	C	APC	69353	68534	-2	2.56	3476	9.49
Red	A	APC-Cy7	66644	65586	-2	3.47	1169	11.46
Violet	B	V450	16327	15765	-4	3.19	854	8.87
Violet	A	V500	62036	60966	-2	2.78	2864	6.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22817	4.14	612	-4	N/A	N/A	Pass
Blue	F	SSC	56702	1.11	563	5	N/A	N/A	Pass
Blue	E	FITC	116	43.39	555	0	0.0199	283	Pass
Blue	D	PE	192	38.16	557	0	0.1429	233	Pass
Blue	B	PerCP-Cy5-5	242	47.69	651	2	0.0082	63	Pass
Blue	A	PE-Cy7	133	102.52	711	2	0.0099	27	Pass
Red	C	APC	500	25.01	607	-3	0.0175	0	Pass
Red	A	APC-Cy7	252	26.96	582	-5	0.0040	624	Pass
Violet	B	V450	105	42.92	488	-4	0.0435	2165	Pass
Violet	A	V500	255	21.03	508	-3	0.0126	441	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.92	-30.34	0.93
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	16.62	13.60 - 20.40	N/A	N/A	30.44	30.70	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14100

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments